HIGHER TECHNICAL INSITUTE COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

5

A WEB-BASED EDUCATIONAL SYSTEM FOR THE HUMAN ANATOMY

CS/420 CS 410

SOPHIA TSERIOTOU

JUNE 2009



1

INTRODUCTION

As graduated student of the HTI it is assigned to me a project based on which I must develop a multimedia-wed page for the human anatomy. The web page will be for educational purposes. This project should present as much details as possible in a form of a lesson for the human body and also be fully pictured.

Through it people of all ages will be able to read lessons see pictures and hopefully learn their body and what it's included in it by answering a test at the and of each lesson where they will see the results of their test and whether they succeeded the test or not.⁴

TABLE OF CONTENTS

AKNOWELEDGEMENTS

INTRODUCTION			5
1	INVESTIGATION PHASE		
	1.1	Initial investigation activity	6 6
		1.1.1 Goals of the project	7
		1.1.2 Objective of the project	7
	1.2	Feasibility study	8
		1.2.1 Feasibility study purpose	8
		1.2.2 Operational feasibility	9
		1.2.3 Technical feasibility	9
		1.2.4 Financial feasibility	10
		1.2.5 Schedule feasibility	10
2	ANALYSIS AND GENERAL DESIGN PHASE		
	2.1	System function	12
	2.2	Data Dictionary	12
	2.3	System Processing	12
	2.4	System Inputs	12
	2.5	System Outputs	12
	2.6	Security and Control	12
	2.7	Processing	13
3	DETAILED DESIGN AND IMPLEMENTATION PHASE		
	3.1	Tools/Software Specifications	15
		3.1.1 Programming tool / language	15
	3.2	Database Design	15
		3.2.1 Database system	15
		3.2.2 Other software	15
	3.3	Design Overview	15
		3.3.1 User interface	15
		3.3.2 Network	16

3.4 Testing Plan Specifications	17
3.4.1 Testing data	17
3.4.2 Unit or Module testing	17
3.4.3 Integration testing	17
4 INSTALLATION PHASE	18
4.1 System Installation	19
Conclusion	20
5 REVIEW PHASE	21
APPENDICES	23

ś